



Application No. 09/916,112
Amendment Dated: August 26, 2004
Reply to Office Action of January 26, 2004
REPLACEMENT SHEET

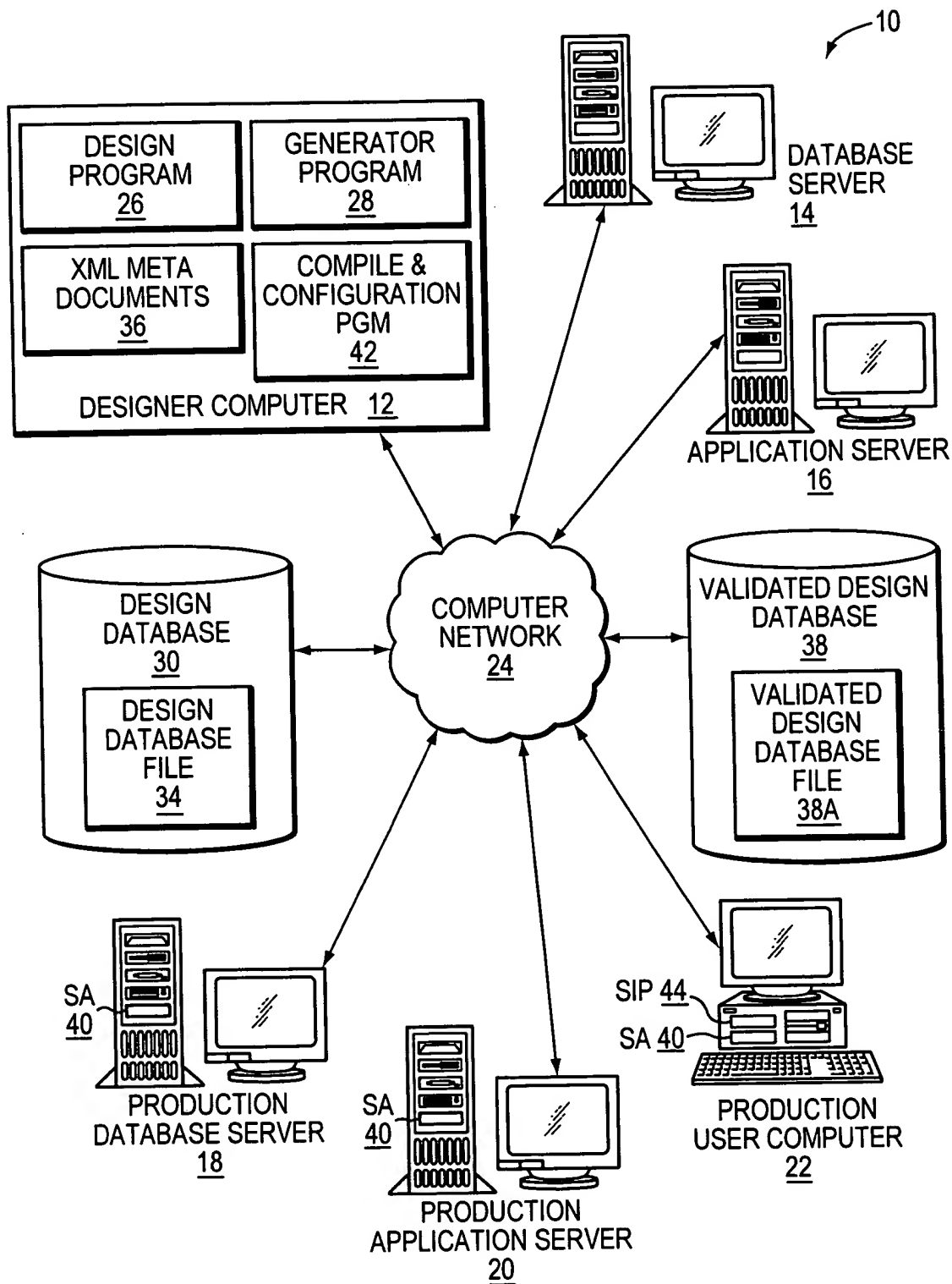


FIG. 1

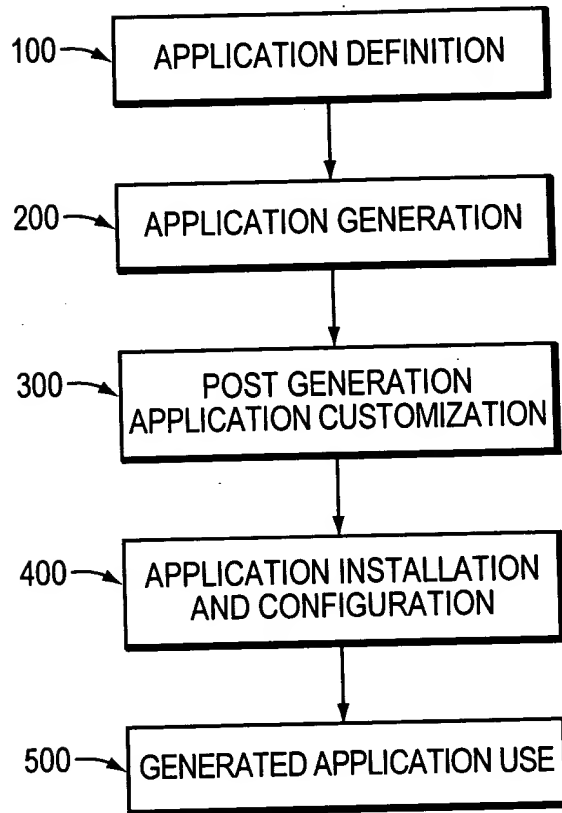


FIG. 2

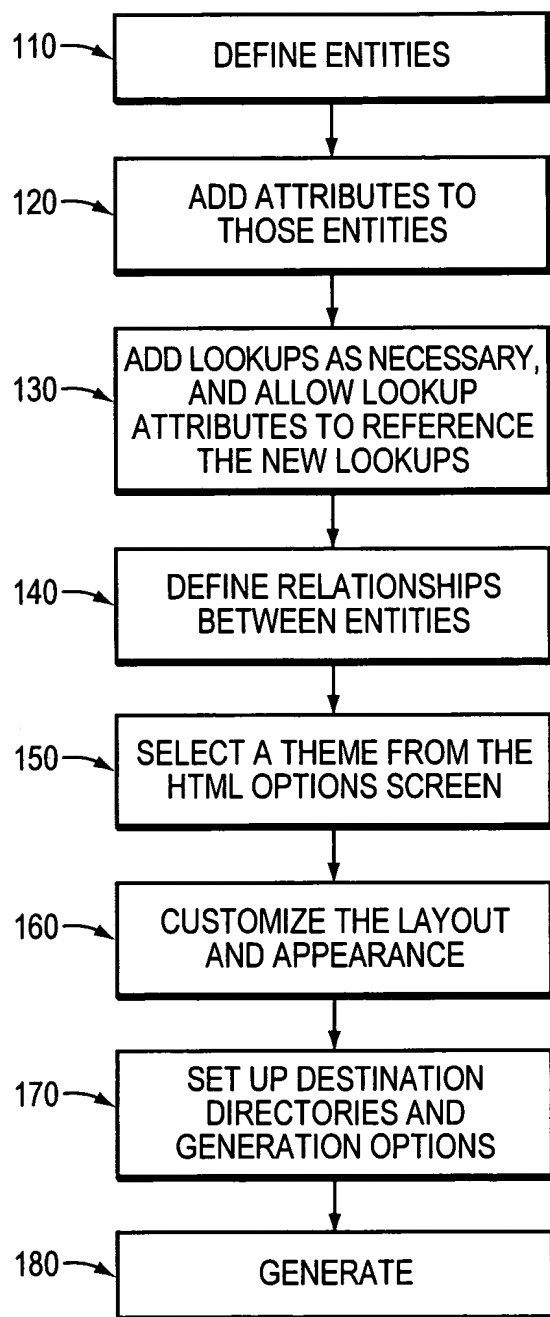
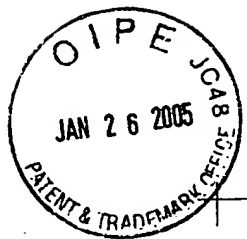
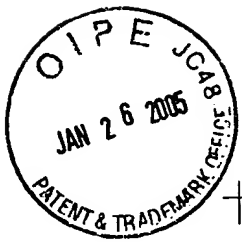


FIG. 3



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Figure 1 is a screenshot of a software interface titled "Select Entity". The interface includes a "Quick Find:" search bar, a "Search By:" dropdown, and a table of entities. The table has columns for "Entity Name", "Stereotype", and "Comment". The entities listed are Address, Allergy, Exam, Medication, Patient, Payment, Payment Method, Person, and State. The "Address" entity is highlighted. At the bottom, there are four buttons: "New", "Delete", "Select", and "Close". Callout numbers 50 through 58 point to various elements: 50 points to the "Entity Name" column header, 51 points to the "Address" row, 52 points to the "New" button, 53 points to the "Delete" button, 54 points to the "Select" button, 55 points to the "Close" button, 56 points to the "Quick Find:" label, 57 points to the "Search By:" label, and 58 points to the "Address" row.

FIG. 4A

☐ Edit Entity

Name: Caption: 60

Comment: 62

Stereotype: ▼

Attributes

Attribute	Data Type	Required	Include In Select List	▲ ▼
Last Name	String Type	True	True	Add Edit Remove
First Name	String Type	False	True	
SSN	String Type	False	True	

64

Relationship

Parent	Child	Relationship	Add Edit Remove
Patient	Person	Composite	Add Edit Remove
Person	Address	Composite	

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Custom Method Declarations

Method Declaration	Add Edit Remove
<input type="text"/>	Add Edit Remove
<input type="text"/>	

68

New Delete OK Cancel Save

FIG. 4B



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☐ Add Attribute

General

Name: 70 ☐ 84 Is Required? ☐ 86 Describes Entity? ☐ 86

Caption: 72

Data Type: 74

Lookup Name: 76 Length: 78

Lookup Type: 78

Default Value: 80

Comment: 82

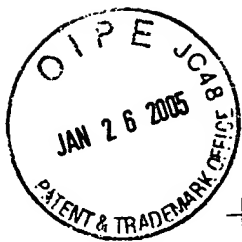
Database

☐ Is Required?
☐ Is Unique?

Select List Options

☐ Include in Select List? 90

FIG. 5



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☐ Add Lookup Definition

Entity:

Attribute:

Name:

☐ Filter On Organization

New Delete OK Cancel Save

FIG. 6A

☐ Select Lookup Definition

Quick Find: Search By:

Name	Entity and Attribute
PaymentMethodLU	PaymentMethod, Name
StateLU	State, State Code

New Delete Select Close

FIG. 6B

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☐ Edit Lookup Definition

Entity:

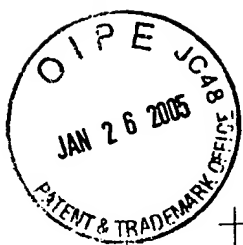
Attribute:

Name:

☐ Filter On Organization

New Delete OK Cancel Save

FIG. 6C



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☐ Add Relationship

Relationship Name:
Relationship Type:

Entity 1:
Entity 2:

Relationships Illustrated

Relationship Illustration

More Info

New

OK

Cancel

Save

FIG. 7A



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☐ Add Relationship

Relationship Name:

Relationship Type: Composite

Outer Entity: 102

Inner Entity: 104

Relationships Illustrated

Composite Relationship

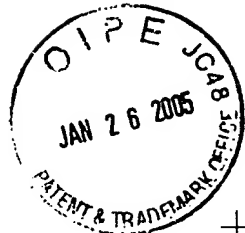
Inner Entity

Outer Entity

More Info

New OK Cancel Save

FIG. 7B



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☐ Add Relationship

Relationship Name:

Relationship Type:

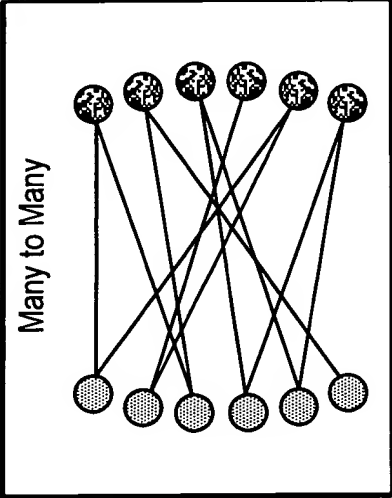
Display Style:

First Entity:

Second Entity:

Relationships Illustrated

Many to Many



More Info

New

OK

Cancel

Save

FIG. 7C



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☐ Add Relationship

Relationship Name:

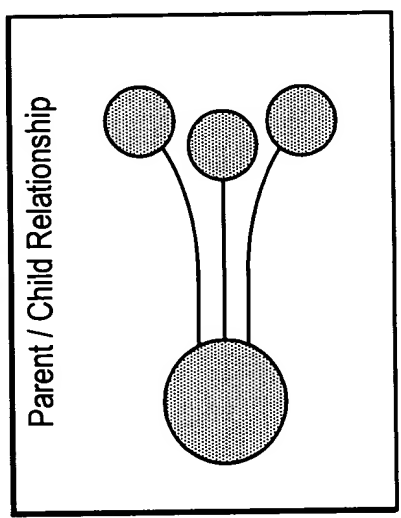
Relationship Type:

Display Style:

Parent Entity:

Relationships Illustrated

Parent / Child Relationship



Child Entity:

More Info

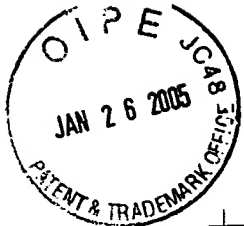
New

OK

Cancel

Save

FIG. 7D



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☐ Edit Relationship

Relationship Name: PatientPerson

Relationship Type: Composite

Outer Entity: Patient

Inner Entity: Person

Composite Relationship

Inner Entity

Outer Entity

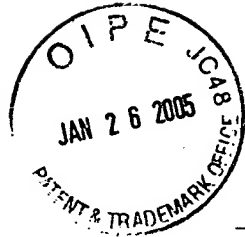
More Info

New

OK

Cancel

Save



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☐ Edit Relationship

Relationship Name: PatientMeds

Relationship Type: Many to Many

Display Style: Same Screen

First Entity: Patient

Second Entity: Medication

Relationships Illustrated

Many to Many

More Info

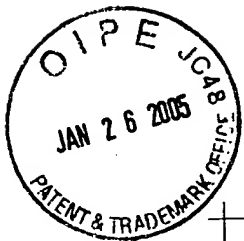
New

OK

Cancel

Save

FIG. 7F



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☐ Edit Relationship

Relationship Name: PatientAllergy

Relationship Type: Many to Many

Display Style: Separate Screen

First Entity: Patient

Second Entity: Allergy

Relationships Illustrated

Many to Many

More Info

New

OK

Cancel

Save

FIG. 7G



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☐ Edit Relationship

Relationship Name: PatientExam

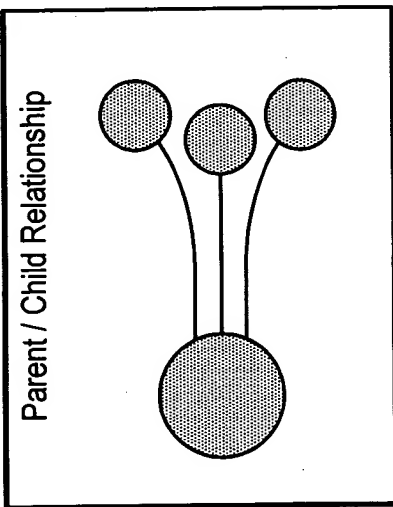
Display Style: Same Screen

Relationship Type: Parent / Child

Parent Entity: Patient

Relationships Illustrated

Parent / Child Relationship



Child Entity: Exam

More Info

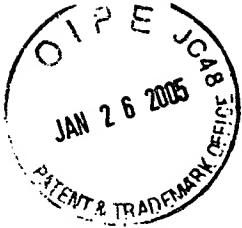
New

OK

Cancel

Save

FIG. 7H



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☒ Edit HTML Options

Layout Advanced More Adv

Main Text Tables Input Misc

Options

Select Theme: (No Theme) ▼

Background Color: 114

Font Color: 116

Font Family: 118

Background Image: 120

Start Page Image: 122

Logo Image: 124

Login Page Image: 126

Link Color: 128

Visited Link Color: 130

Active Link Color: 132

Main Body Text: Regular Text Sample
Hyperlink: Hyperlink Preview
Start Page Image:
Logo Image:
Login Image:

☒ Auto Preview

110 134

FIG. 8



Build Options for Application Generation

Paths

Destination Directory: D:\Medical\Generated App

Visual Basic Application Location: D:\Program Files\Microsoft Visual Studio\VB98\vb6.exe

Virtual Directory Name: Medical

Build Options

Database

144 ☒ Generate Database

Database Name: Medical

Server: demontbk

150 ☐ Use NT Authentication

Login ID: sa

Password:

Project Information

Project Name: Medical

Generate Cancel Save

FIG. 9



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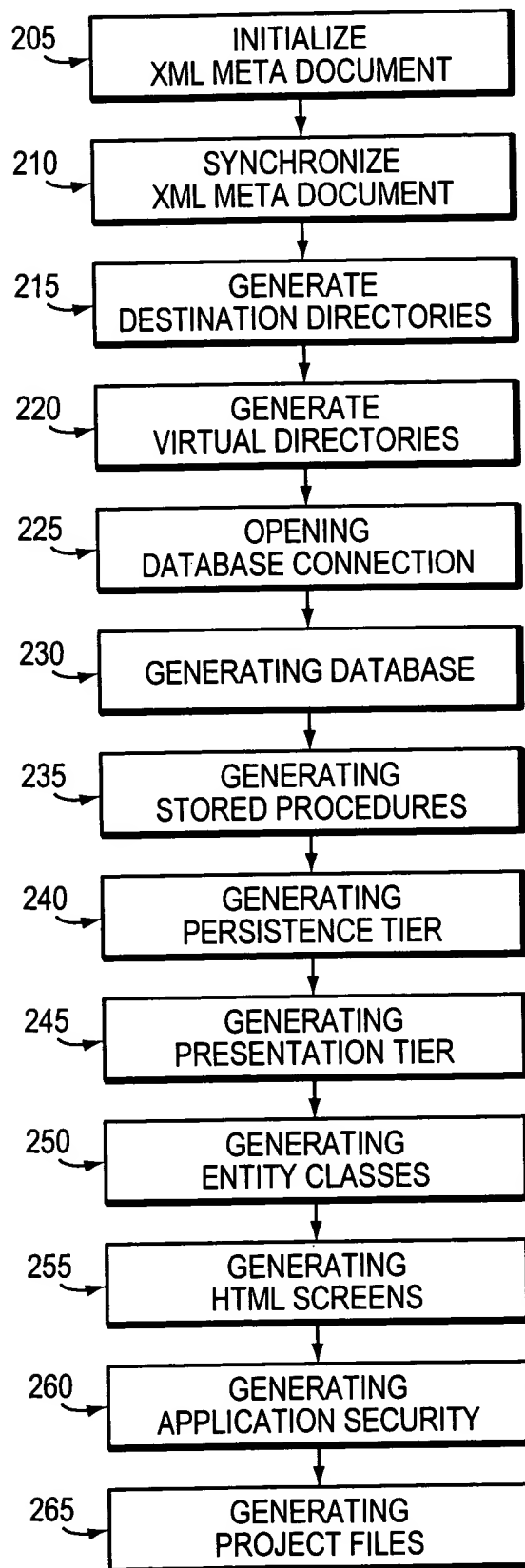


FIG. 10



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SkillFusion Generation Status

- ✓ Initializing XML Meta Document.
- ✓ Synchronizing XML Meta Document.
- ✓ Generating Destination Directories.
- ✓ Generating Virtual Directories.
- ✓ Opening Database Connection.
- ✓ Generating Database.
- ✓ Generating Database Objects.
- ✓ Generating Persistence Tier.
- ✓ Generating Presentation Tier.
- ✓ Generating Entity Classes.
- ✓ Generating HTML Screens.
- ✓ Generating Application Security.
- ✓ Generating Project Files.
- ✓ Generation Complete for all Entities.

Progress bar: []

Generated App: []
Microsoft Virtual Studio\WB98\Vb6.exe []

Project Information
Project Name: Medical

SkillFusion 3.0
All Entities were created successfully
Would you like to run the Visual Basic Web Project?
Yes No

Generate Cancel Save

FIG. 11

Create Setup Package

Paths

Generated Project: D:\Medical\Generated App\WebApp\Medical.vbp []
Destination Directory: D:\Medical []
Visual Basic Application Location: D:\Program Files\Microsoft Visual Studio\VB98\vb6.exe []

Database

☒ Backup Existing Database

Database Backup

Database Name: Medical
Database Server: demontbk []
☐ Use NT Authentication
Login: sa
Password: []

Package Close

FIG. 13

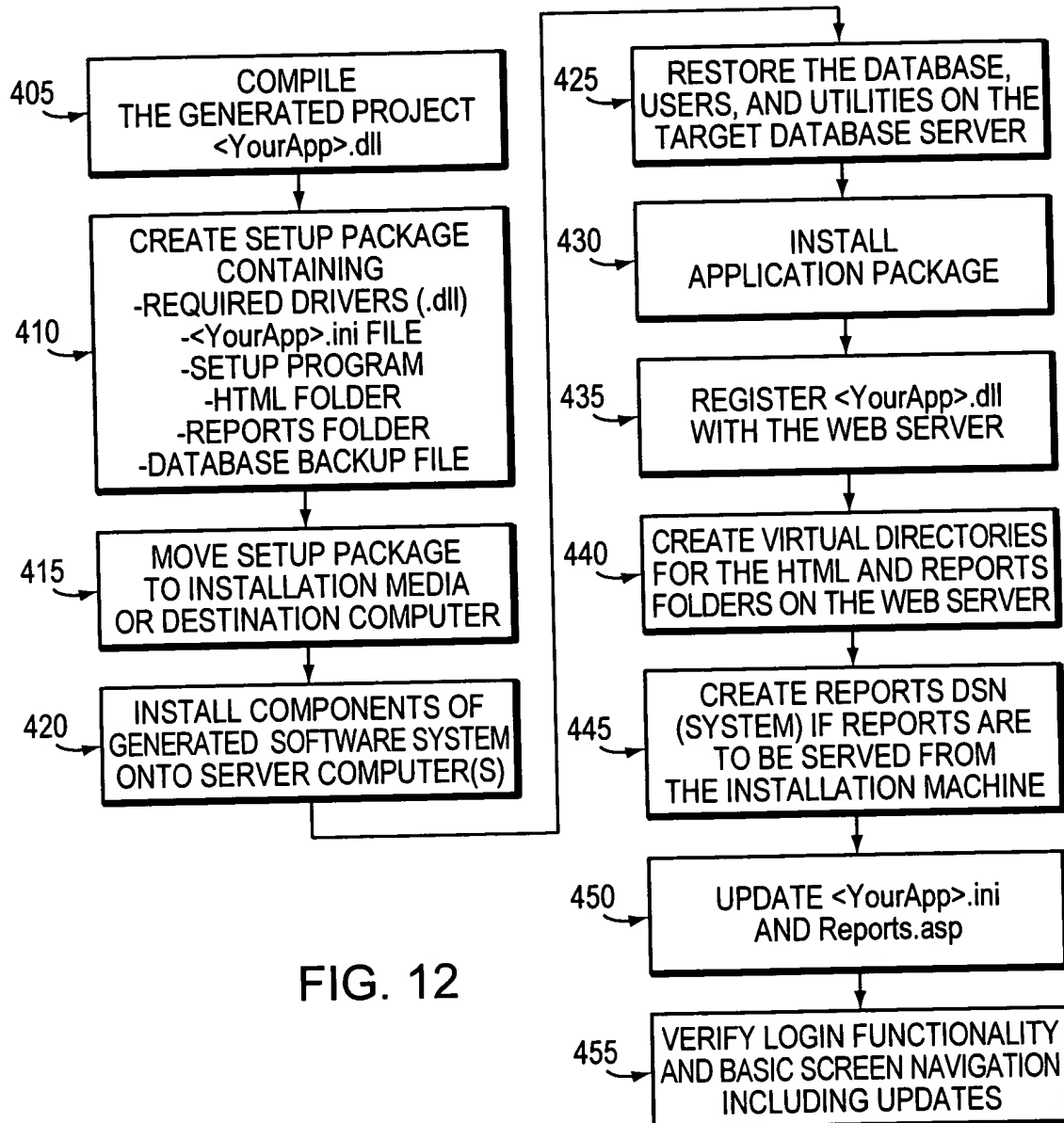


FIG. 12



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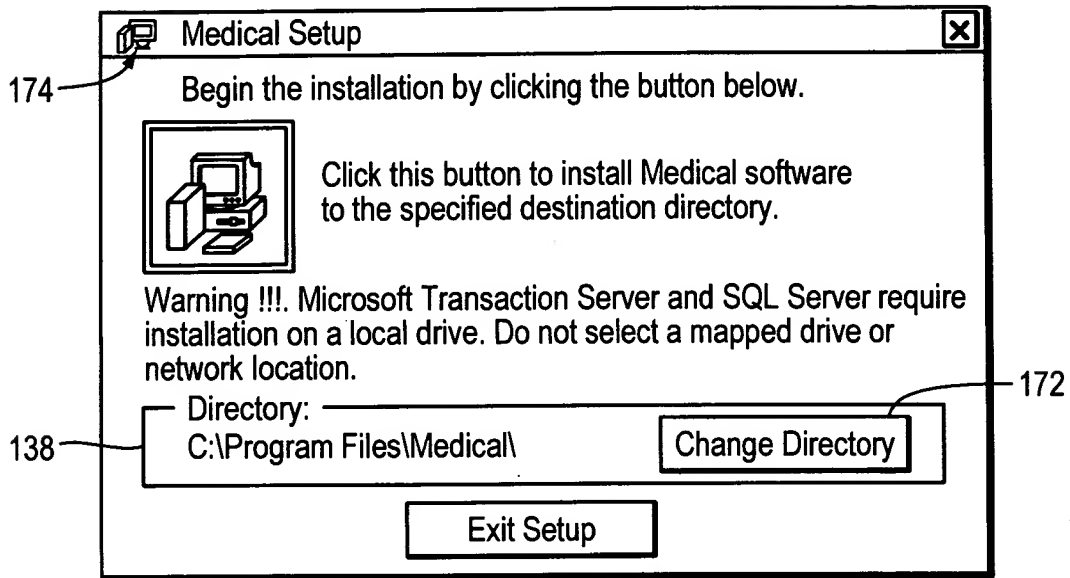


FIG. 14

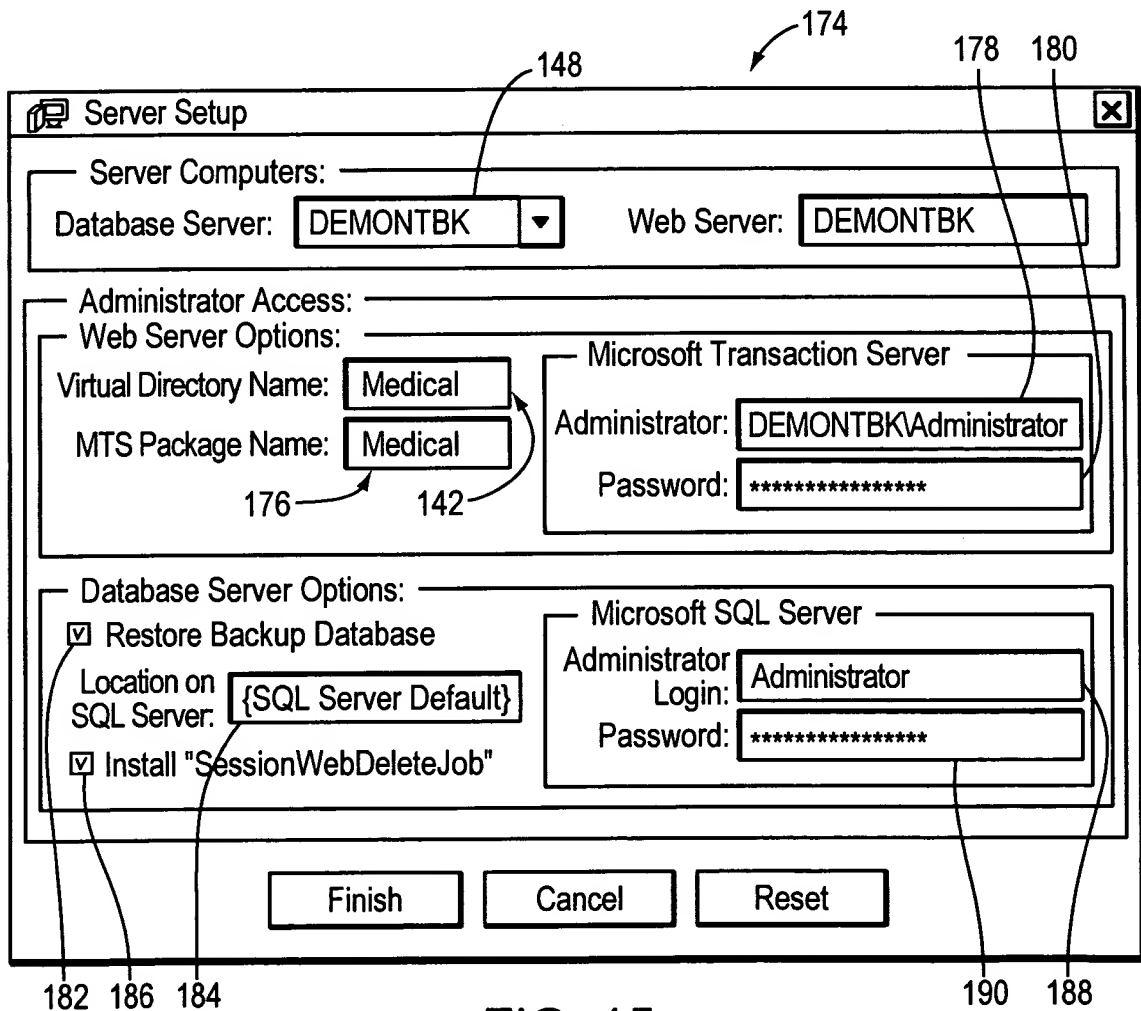
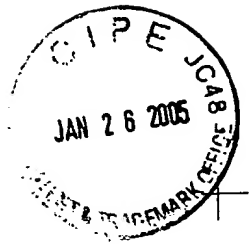


FIG. 15



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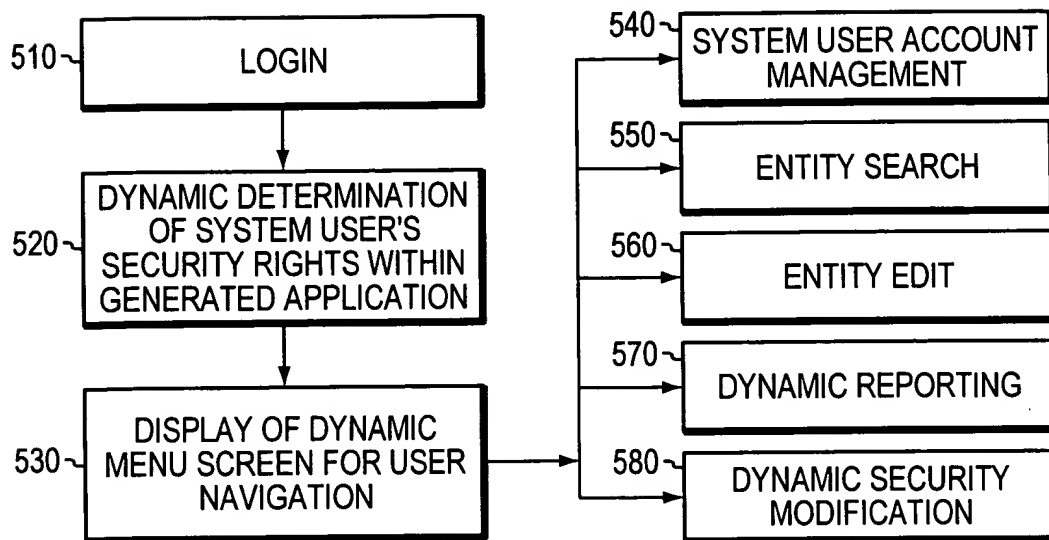
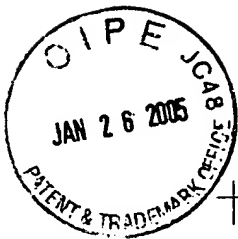


FIG. 16



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Microsoft Internet Explorer - User Profile

File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorite History Print Edit Discuss

Address <http://demonetbk/Medical/Medical.asp?AC5AB3657E4D11D582A6000000000000> Go

Medical * Start!

Help Logout

User Account:

User Name: Admin

Full Name: Administrator

*Current Password:

* New Password:

* Repeat New Password:

*Email Address:

* Forgotten Password Question:

* Forgotten Password Answer:

Successful Saving will return you to the Login Screen.

* Denotes required field.

Done Local intranet

FIG. 17



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Microsoft Internet Explorer - Show Select - File Edit View Favorites Tools Help

Back Forward Stop Refresh Home Search Favorite History Print Edit Discuss

Address <http://demontrbk/Medical/Medical.asp?GAD64AAFD7E4E11D582A600000000000000> Go

Medical * Start!
Help Logout

Select a Allergy

Add Filter

Display List Where

new Description
View Mildew
View Grass
View Weed
View Pollen
View Dust

is

Go!

Done Local intranet

FIG. 18



Microsoft Internet Explorer
File Edit View Favorites Tools Help
Back Forward Stop Refresh Home Search Favorite History Print Edit Discuss
Address <http://demontrbk/Medical/Medical.asp?1234A9047E5111D582A600000000000000> Go

Medical * Start! → Patient: Smith
Help Logout

Update Patient - Smith
*Medical Record Number: 2332420
Kin Last Name: Smith
First Name: Jane
Kin SSN: 222222222
Street: 1201 Peachtree Street
City: Atlanta
State: GA
Zip:
Last Name: Smith
First Name: Jane
SSN:
Street:
City:
Exam

* Allergy Medication
☒ Bayer
☐ Metamucil
☒ Prozac
☐ Bufferin
☐ Zanax

Your save was successful.

Done Local intranet

FIG. 19